VOLUME 30 NUMBER 1 CONTENTS 1990

V. F. KAM'YANOV, V. D. OGORODNIKOV, M. F. MIR-BABAYEV, F. I. SAMEDOVA and L. A. GORBUNOVA — 1 — Asphaltenes of Dzhafarly crude oil

T. M. GAIRBEKOV, S. N. KHADZHIYEV, R. A.-V. TURLUYEV, A. V. MEL'NICHENKO, A. K. MANOVYAN and S. M. GAIRBEKOVA — 9 — Activity, selectivity and stability of high-silica faujasites in the cracking of neohexane

G. A. KORNEYEVA, M. M. POTARIN, M. YE. ELYASHBERG, A. L. YELAGIN, S. V. TIKHOMIROV, YU. YU. YAMPOL'SKII, M. YA. BOTNIKOV, YE. V. SLIVINSKII and S. M. LOKTEV — 14 — Carbonylation of allyl alcohol to γ-butyrolactone

YE. V. IVANOV, L. A. STEPANOVA, E. M. GUSEINOV and B. V. SUVOROV — 20 — Oxidative ammonolysis of certain toluene derivatives on oxide vanadium-containing catalysts

A. V. VYSOTSKII, B. I. KISTINEV, YU. G. KHAIBULIN, KIM EN KHVA, V. V. CHENETS, F. K. SHMIDT and L. D. KONOVAL'CHIKOV — 27 — Catalytic activity of high-silica TsVK and TsVM zeolites in hydrodesulphurization

YE. B. FROLOV and M. B. SMIRNOV — 34 — Higher unsaturated hydrocarbons in crude oils

M. B. SMIRNOV — 46 — Saturated petroleum hydrocarbons of T-shaped structure

R. A. GALIMOV, L. B. KRIVONOZHKINA, V. V. ABUSHAYEVA and G. V. ROMANOV — 55 — Relationships governing the distribution of vanadium, nickel and their porphyrin complexes in petroleum components

G. N. ALESHIN, F. I. SAMEDOVA, M. F. MIR-BABAYEV and V. F. KAM'YANOV — 61 — Microelemental composition of the high-molecular components of crude oils and petroleum residues of Azerbaidzhan

O. D. STERLIGOV, N. I. RYBAKOVA, S. V. ADEL'SON and G. V. ISAGULYANTS — 71 — Investigation of magnesium–vanadium systems in olefin formation from *n*-dodecane in the presence of oxygen and hydrochloric acid

V. V. LUNIN and O. V. CHETINA — 76 — Dehydrogenation of isobutane in the presence of a Zr_2Fe hydrogen acceptor

82 — Abstracts of papers published in *Neftekhimiya* Vol. 30, Nos 1 & 2

VOLUME 30 NUMBER 2 CONTENTS 1990

A. L. KLYACHKO and I. V. MISHIN — 93 — Control of the catalytic, acid and structural properties of zeolites by changing the framework composition

YU. P. KOPYLOV, L. I. VSTAVSKAYA, A. M. MAZGAROV, M. M. GIBADUKOV and V. A. GORBUNOV — 116 — Light hydrocarbon feedstock for petrochemical industry (Review)

Ye. I. Bagrii, Ye. K. Dragalova and N. Ya. Supryadkina	131	Catalytic breakdown of paraffinic hydrocarbons in the presence of adamantanes
M. Henker, K.-P. Wendlandt, A.-V. Anisimov and E. A. Karakhanov	135	Molybdenum-containing catalysts in the reactions of cumene cracking and thiophene hydrocracking
V. I. Karpitskii and A. A. Sidorenko	141	Natural antioxidants in West Kazakhstan crude oils
V. I. Karpitskii and A. A. Sidorenko	146	Distribution of natural antioxidants during the fractionation of West Siberian crude oil
V. V. Voronenkov, V. D. Sukhov, V. S. Krasnobayeva and T. A. Yermilova	151	Influence of the composition of polymeric petroleum resins on their oxidation by oxygen
	154	Abstracts of papers published in *Neftekhimiya* Vol. 30, No. 3

VOLUME 30 NUMBER 3 CONTENTS 1990

N. S. Vorob'yeva, T. I. Pekhk, Z. K. Zemskova and A. A. Petrov	157	Dicadinanes as pentacyclic triterpanes of crude oil
N. S. Vorob'yeva, Z. K. Zemskova and A. A. Petrov	162	Synthesis, stereochemistry and mass spectra of epimeric 9,10-seco-24-methylcholestanes
M. B. Smirnov	167	1,2-Dialkylcyclopentanes in higher fractions of crude oil
G. Yu. Sitnikova, N. V. Rastova, S. L. Davydova, R. D. Archakova, S. N. Khadzhiyev and Yu. B. Amerik	172	Role of thermal oxidation in the process of vanadium extraction from refinery coke (solid oil residues)
A. V. Vysotskii, V. I. Kistinev, Yu. G. Khaibulin, G. V. Kuznetsova, K. F. Kosygina and I. Ye. Gorbatkina	176	Catalytic activity of high-silica element-silicate and alumino-silicate zeolites in thiophene hydrogenolysis
T. Kh. Akchurina and S. S. Efendiyeva	181	Thermoanalytical studies of polymeric compounds as viscous additives to lubricants
N. A. Vanyukova, Ye. B. Frolov and P. I. Sanin	187	Acids of crude oils from Timan-Pechora province
R. N. Fakhretdinov, N. K. Lyapina, M. A. Parfenova, R. Kh. Startseva, N. V. Davidenko, G. A. Glebov and L. N. Gagarina	194	Composition of alkanes in residual oils
Ya. Neinska, V. F. Tret'yakov, A. Ya. Rozovskii and V. Penchev	202	Investigation of the formation of platinum particles in zeolite catalysts
A. Kh. Sharipov, R. M. Masagutov, I. S. Faizrakhmanov and Z. A. Suleimanova	211	Oxidation of petroleum sulphides by hydrogen peroxide in the presence of compounds of metals of varying valency
V. M. Farzaliyev, M. A. Allakhverdiyev, N. A. Akperov, V. B. Liksha and M. G. Kuliyev	217	Antioxidation properties of certain thiethane and thiirane derivatives
	223	Abstracts of papers published in *Neftekhimiya* Vol. 30, Nos 4 & 5

VOLUME 30 NUMBER 4 CONTENTS 1990

L. YA. FILIPENKO, A. A. BATURIN, YU. B. AMERIK, N. V. RASTOVA, N. A. SARAIKINA, G. N. ALESHIN, S. N. KHADZHIYEV and R. D. ARCHAKOVA — 235 Redistribution of vanadium and nickel during tar thermolysis

A. KH. MAMEDOV, S. R. MIRZABEKOVA, I. A. GULIYEV, S. A. DZHAMALOVA, S. KH. ZEINALOVA and V. S. ALIYEV — 240 Oxidative conversion of methane on lanthanum-containing hydroxychloride catalysts

K. A. MANOVYAN, V. V. LUNIN, G. V. TARAKANOV, A. K. MANOVYAN and V. V. STOLYAROV — 246 Dearomatization of petroleum fractions on a composite catalyst containing hydride $ZrNiH_x$ and talum

G. I. TURKASOVA, A. I. VAGIN and V. I. YEROFEYEV — 251 Investigation of the catalytic hydrodeparaffinization of diesel fractions of vacuum gas oil on zeolite catalysts

M. I. RUSTAMOV, L. M. MIRZAYEVA, R. B. AKHVERDIYEV, A. D. GUSEINOVA, V. S. GADZHI-KASUMOV, R. YU. GANBAROV, M. K. GUSEINOVA, V. I. YAKERSON, R. G. SARMURZINA and SH. K. SEITZHANOVA — 255 Catalytic cracking of oil residues on catalysts based on activated aluminium alloys

D. YU. ZHOGIN, A. M. MYASOYEDOV, G. YE. VOROPANOV and M. A. RYASHENTSEVA — 262 Catalytic synthesis of thiophene from the gas formed in the semicoking of kukersite shale

A. B. KULIYEV, A. G. MAMEDOV, M. M. DZHAVADOV, N. O. AKHADOV, M. A. ABDULVAGABOVA, F. V. IBRAGIMOVA and M. I. ABDULLAYEVA — 267 Alkylaminomethylthio- and dithiobenzoates as lubricant additives

273 Abstracts of papers published in *Neftekhimiya* Vol. 30 No. 6